

IN THE FIGURES

There were four figures on four sheets filed with the original application. Submitted with this Amendment and Response are proposed changes to Figures 1 and 3 with the changes to be
5 incorporated into the new drawings shown in red. No new matter is introduced. Applicant request the Examiner's approval for these proposed changes to the drawings.

IN THE CLAIMS

Claims 1-21 are pending. Please cancel claims 12, 13, and 14
10 and amend claims 1-3, 8-10, and 15-21 as follows.

Sub B2
A1
1 1. (Amended One Time) A method [for retrieving performance
2 monitor data from a processor], comprising:
3 registering a performance monitoring driver as a private
4 driver with a real time operating system (RTOS) of [the] a
5 processor, wherein the performance monitoring driver is coupled to
6 a performance monitoring unit (PMU);
7 selecting events within the processor to gather data on; and
8 sending the selected events as a message request to the RTOS.
9 [; translating the message request into parameters based on a
10 set of private group parameters that are accessible by the RTOS;
11 sending the message request as a translated request to the PMU;
12 returning the pieces of data requested by the translated request
13 to the performance monitoring driver; and sending the pieces of
14 data to a location specified in the message request].

1 2. (Amended One Time) The method of claim 1, further
2 comprising:
3 [prior to registering the performance monitoring driver,
4 initializing software in memory of the processor]
5 translating the message request into parameters based on a
6 set of private group parameters that are accessible by the RTOS;
7 sending the message request as a translated request to the PMU;
8 returning the pieces of data requested by the translated
9 request to the performance monitoring driver; and
10 sending the pieces of data to a location specified in the
11 message request.

Sub
B2
C2
D2

3. (Amended One Time) The method of claim 1, further
comprising:
[subsequent to registering the performance monitoring
driver,] initiating a performance monitor application that
generates a selection screen at a visual monitor coupled to the
processor through a host processor,
wherein selecting events within the processor on which to
gather data includes selecting the events at the selection screen.

sub
B3
C3
D3

8. (Amended One Time) The method of claim 7, wherein the set
of private group parameters includes at least one of the following
parameters: an adjusted sample, a control, a counter, a current
mode, a current time, an ending time, an interval, a lock control,
a maximum algorithm, a maximum mode, a minimum sample interval, a
minimum sample unit, a mode control, a number counter, type of
performance monitoring hardware available, a sample interval, a
sigma time, and a status.

A2

[AdjustedSample, Control, Counter01, Counter02, Counter03,
Counter04, Counter05, Counter06, Counter07, Counter08, Counter09,
Counter10, Counter11, Counter12, Counter13, Counter14,
CurrentMode, CurrTime, EndingTime, Interval, LockControl,
MaxAlgorithm, MaxMode, MinSampleInterval, MinSampleUnits, Mode,
ModeControl, NumCounters, PerfHWType, SampleInterval, SigmaTime,
and Status].

1 9. (Amended One Time) The method of claim 1, further
2 comprising:

3 [subsequent to registering the performance monitoring
4 driver,] generating performance monitoring storage tables within
5 memory of the processor.

1 10. (Amended One Time) The method of claim 9, further
2 comprising:

3 [subsequent to returning the pieces of data requested by the
4 translated request to the performance monitoring driver,] sending
5 the pieces of data to the performance monitoring storage tables.

1 15. (Amended One Time) The method of claim 11 [14, wherein
2 the means for determining is an interpreting device], [the method]
3 further comprising:

4 generating a message in the interpreting device that causes a
5 fan internal to the host system to turn on in response to the
6 pieces of data returned from the performance monitoring unit.

1 16. (Amended One Time) In a [networking] system including [a
2 host system having a host processor coupled to an processor
3 through a peripheral components interconnect bus, and including a
4 first client coupled to the host system and a second client
5 coupled to the host system through network lines,] a computer
6 readable storage medium containing [executable computer program]
7 instructions which, when executed, cause an processor to [perform
8 a method comprising]:

9 [registering] register a performance monitoring driver as a

10 private driver with a real time operating system of the processor,
11 wherein the performance monitoring driver is coupled to a
12 performance monitoring unit;

13 [selecting] select events within the processor on which to
14 gather data;

15 [sending] send the selected events as a message request to
16 the real time operating system; and

17 [translating] translate the message request into parameters
18 based on a set of private group parameters that are accessible by
19 the real time operating system.

20 [; sending the message request as a translated request to the
21 performance monitoring unit; returning the pieces of data
22 requested by the translated request to the performance monitoring
23 driver; and sending the pieces of data to a location specified in
24 the message request.]

1 17. (Amended One Time) The computer readable storage medium
2 of claim 16, further causing the processor to:

3 send the message request as a translated request to the
4 performance monitoring unit;

5 return the pieces of data requested by the translated request
6 to the performance monitoring driver; and

7 send the pieces of data to a location specified in the
8 message request,

9 wherein the set of private group parameters includes at least
10 one of (i) control parameters for hardware-based performance
11 monitoring resources, (ii) mode-specific control parameters for a
12 performance monitoring resource, and (iii) data parameters for at

13 least one mode in one counter.

1 18. (Amended One Time) The computer readable storage medium
2 of claim 17, [the method] further comprising:

3 [subsequent to registering the performance monitoring driver,
4 generating] generate performance monitoring storage tables
5 within memory of the processor; and

6 [subsequent to returning the pieces of data requested by the
7 translated request to the performance monitoring driver, sending]
8 send the pieces of data to the performance monitoring storage
9 tables.

1 19. (Amended One Time) A [distributed readable] storage
2 medium containing [executable computer program] instructions
3 which, when executed, cause [an] a processor to [perform a method
4 for retrieving performance monitor data from the processor, the
5 method comprising]:

6 [registering] register a performance monitoring driver as a
7 private driver with a real time operating system of the processor,
8 wherein the performance monitoring driver is coupled to a
9 performance monitoring unit;

10 [selecting] select events within the processor on which to
11 gather data;

12 [sending] send the selected events as a message request to
13 the real time operating system;

14 [translating] send the message request into parameters based
15 on a set of private group parameters that are accessible by the
16 real time operating system;

17 [sending] send the message request as a translated request to
18 the performance monitoring unit;

19 [returning] return the pieces of data requested by the
20 translated request to the performance monitoring driver; and

21 [sending] send the pieces of data to a location specified in
22 the message request.

1 20. (Amended One Time) The [distributed readable] storage
2 medium of claim 19, wherein the set of private group parameters
3 includes at least one of (i) control parameters for hardware-based
4 performance monitoring resources, (ii) mode-specific control
5 parameters for a performance monitoring resource, and (iii) data
6 parameters for at least one mode in one counter.

1 21. (Amended One Time) The distributed readable storage
2 medium of claim 20, [the method] further comprising:

3 [subsequent to registering the performance monitoring driver,
4 generating] generate performance monitoring storage tables within
5 the memory of the processor; and

6 [subsequent to returning the pieces of data requested by the
7 translated request to the performance monitoring driver, sending]
8 send the pieces of data to the performance monitoring storage
9 tables.